

CLAIMS

- 1 - Particles comprising a core of precipitated calcium carbonate and a coating covering at least part of the surface of the core, the coating being carried out in at least two distinct consecutive steps, each step using a different coating agent,-
- 2 ~~The particles of claim 1~~ comprising a first coating agent selected from alkylsulfates, sulfonic acids, carboxylic acids, their salts and their esters, fatty alcohols, polyhydric alcohols or mixture thereof, being used in the first step, and a second coating agent selected from polyhydric alcohols, esters of carboxylic acids, or mixtures thereof, being used in the second step.
- 3 ~~2~~ - The particles of claim 2 wherein the carboxylic acid is a fatty acid and the polyhydric alcohol is a diol or a triol.
- 4 ~~3~~ - The particles of claim 1 or 2 wherein the carboxylic acid is stearic acid, and the polyhydric alcohol is 1,2-ethanediol or glycerol.
- 5 ~~4~~ - The particles of claim 2 wherein the carboxylic acid used as the first coating agent is a fatty acid and the ester of carboxylic acid used as second coating agent is a phthalic acid ester.
- 6 ~~5~~ - Process for the preparation of particles conform to any one of claims 1 to 5, in which the particles are first brought into contact with a first coating agent and then a second coating agent is applied to the particles .
- 7 ~~6~~ - Process according to Claim 6 wherein, the second coating agent is applied in liquid, dissolved, solid or gas form.
- 8 ~~7~~ - Use of the particles according to any of the claims 1 to 5 as a filler.
- 9 ~~8~~ - The use according to claim 8 in rubbers, inks, plastisols, sealants, papers, paints, coatings, pharmaceuticals, foods and cosmetics.